

1 FIRST FLOOR FIRE PROTECTION DEMOLITION PLAN FP2 1/16"-1"-0"



Dept. of Veterans Affairs Medical Center 2101 Elm Street North







FIRST FLOOR FIRE PROTECTION DEMOLITION PLAN				
VA Project No.	Contract No. VA263-P-1217			
437-13-105	VA263-P-1217			

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VA263-C-

2012227-FP-2.dwg

AutoCAD File Name

Project Title	Date 		
FARGO V	February		
REPLACE SELEC			
Designed By	Checked By	Drawn By	Drawing No.

FARGO VA HEALTH CARE SYSTEM FARGO, ND

February 5, 2013

FIRE PROTECTION **DEMOLITION NOTES:**

DEMOLITION DRAWINGS ARE DIAGRAMMATIC ONLY AND ARE BASED ON FIELD OBSERVATION AND EXISTING RECORD DRAWINGS. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING WORK AND

DISCREPANCIES BETWEEN THE "AS-BUILT" CONDITIONS

R. THIS CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND RE-INSTALLING OF EXISTING CEILING TILE NOT REMOVED BY THE GENERAL CONTRACTOR FOR THE

DAMAGED DURING CONSTRUCTION SHALL BE REPLACED WITH NEW BY THIS CONTRACTOR.

THIS CONTRACTOR SHALL OPEN ALL WALLS AND/OR CEILINGS FOR DEMOLITION OF EXISTING FIRE PROTECTION PIPING, SPRINKLER HEADS, EQUIPMENT,

D. THIS CONTRACTOR IS RESPONSIBLE FOR PATCHING ALL

DISCONNECT AND REMOVE EXISTING SPRINKLER PIPING.
PREPARE REMAINING PIPING AND SPRINKLER HEADS

2 DISCONNECT AND REMOVE EXISTING ZONE VALVE WITH SUPERVISORY SWITCH, FLOW SWITCH, TEST AND DRAIN VALVE, AND SIGHT GLASS. PREPARE REMAINING PIPING FOR RE-CONNECTION. THE EXISTING ZONE VALVE & SUPERVISORY SWITCH SHALL BE SAVED FOR

WORK IN OUTLINED AREA REMOVED UNDER DEDUCT

GENERAL NOTES:

THE GENERAL CONTRACTOR IS REMOVING CEILING TILE AND GRID IN AREAS OF PIPE REPLACEMENT. RELOCATE AND REINSTALL EXISTING CEILING DIFFUSERS AND ALL GRILLES AS REQUIRED FOR WORK. SEE ARCHITECTURAL

ALL SPRINKLER MAINS BEING REMOVED SHALL BE REPLACED WITH THE SAME SIZE PIPE. SEE NEW PLANS

PHASING NOTES

CONTRACTOR SHALL REPLACE SPRINKLER PIPING IN ALL AREAS DURING WEEKEND OR OVERTIME HOURS. WORK SPACES SHALL BE LEFT CLEAN AND USABLE BY THE END OF EACH SHIFT TO ALLOW STAFF USE OF AREAS DURING NORMAL BUSINESS HOURS. WORK IN MECHANICAL SPACES MAY BE COMPLETED DURING

COMPLETE WORK ON ONE SPRINKLER ZONE AT A TIME ON EACH FLOOR. THE SYSTEM SHALL BE FILLED BY THE END OF EACH SHIFT IN ORDER TO MAINTAIN AN OPERATIONAL SYSTEM. AT THE CONTRACTOR'S OPTION, FIRE WATCH SHALL BE MAINTAINED BY THE CONTRACTOR FOR NON-OPERATIONAL ZONES FOR SHORT PERIODS OF TIME IN ORDER TO EXPEDITE WORK IN CERTAIN AREAS.

REFER TO INDIVIDUAL PLAN NOTES FOR PHASING OF

HOLES/WALLS AND OR CEILINGS FROM DEMOLISHED FIRE PROTECTION PIPING, SPRINKLER HEADS, EQUIPMENT, ETC. IN FLOORS, WALLS, AND CEILINGS TO

DEMOLITION OF EXISTING FIRE PROTECTION PIPING, SPRINKLER HEADS, EQUIPMENT, ETC. VERIFY WITH ARCHITECTURAL PLANS FOR CEILING WORK BY THE GENERAL CONTRACTOR. ANY CEILING TILE OR GRID

NOTIFY THE ARCHITECT/ENGINEER OF ANY

AND THESE DRAWINGS.

ETC. AS REQUIRED.

MATCH EXISTING.

FOR RE-CONNECTION.

RE-INSTALLATION

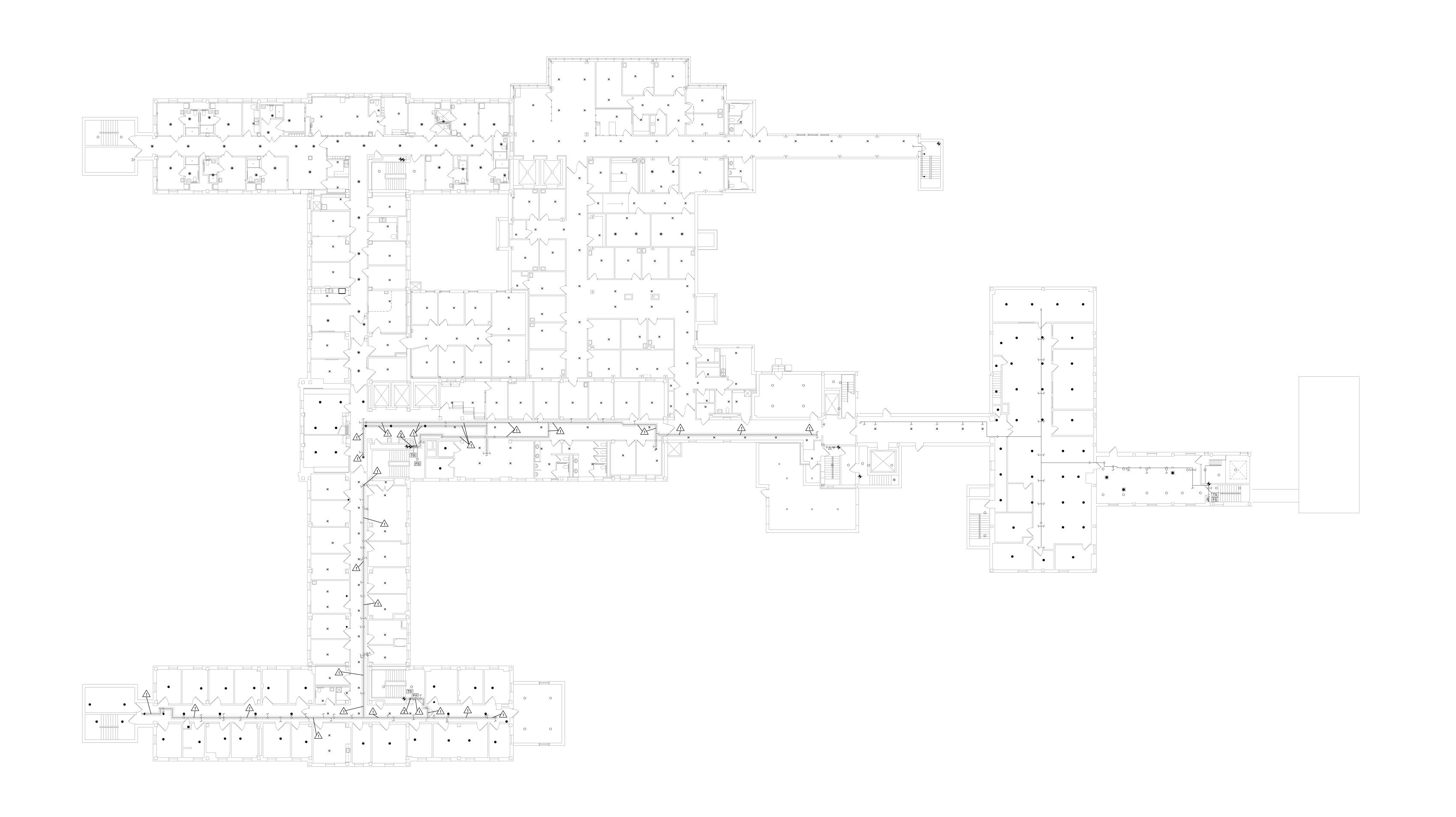
ALTERNATE NO. 1.

FOR MAIN SIZES.

DRAWINGS FOR CEILING WORK.

NORMAL BUSINESS HOURS.

CRITICAL AREAS.



1 FOURTH FLOOR FIRE PROTECTION DEMOLITION PLAN FP3 1/16"=1"-0"









FOURTH FLOOR FIRE PROTECTION DEMOLITION PLAN				
VA Project No.	Contract No. VA263-P-1217			

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2012227-FP-3.dwg

AutoCAD File Name

	FARGO V REPLACE SELEC	repruary		
	Designed By	Checked By	Drawn By	Drawing No.
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FARGO VA HEALTH CARE SYSTEM FARGO, ND

Project Title

February 5, 2013

FIRE PROTECTION DEMOLITION NOTES

A. DEMOLITION DRAWINGS ARE DIAGRAMMATIC ONLY AND ARE BASED ON FIELD OBSERVATION AND EXISTING RECORD DRAWINGS. CONTRACTOR SHALL VERIFY ALL

NOTIFY THE ARCHITECT/ ENGINEER OF ANY

AND THESE DRAWINGS.

MATCH EXISTING.

FOR RE-CONNECTION.

EXISTING CONDITIONS PRIOR TO BEGINNING WORK AND

DISCREPANCIES BETWEEN THE "AS-BUILT" CONDITIONS

R. THIS CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND RE-INSTALLING OF EXISTING CEILING TILE NOT REMOVED BY THE GENERAL CONTRACTOR FOR THE

DEMOLITION OF EXISTING FIRE PROTECTION PIPING, SPRINKLER HEADS, EQUIPMENT, ETC. VERIFY WITH ARCHITECTURAL PLANS FOR CEILING WORK BY THE GENERAL CONTRACTOR. ANY CEILING TILE OR GRID DAMAGED DURING CONSTRUCTION SHALL BE REPLACED WITH NEW BY THIS CONTRACTOR.

THIS CONTRACTOR SHALL OPEN ALL WALLS AND/OR CEILINGS FOR DEMOLITION OF EXISTING FIRE

PROTECTION PIPING, SPRINKLER HEADS, EQUIPMENT, ETC. AS REQUIRED.

D. THIS CONTRACTOR IS RESPONSIBLE FOR PATCHING ALL

HOLES/WALLS AND OR CEILINGS FROM DEMOLISHED FIRE PROTECTION PIPING, SPRINKLER HEADS, EQUIPMENT, ETC. IN FLOORS, WALLS, AND CEILINGS TO

DISCONNECT AND REMOVE EXISTING SPRINKLER PIPING.
PREPARE REMAINING PIPING AND SPRINKLER HEADS

DISCONNECT AND REMOVE EXISTING ZONE VALVE WITH SUPERVISORY SWITCH, FLOW SWITCH, TEST AND DRAIN

VALVE, AND SIGHT GLASS. PREPARE REMAINING PIPING FOR RE-CONNECTION. THE EXISTING ZONE

GENERAL NOTES: THE GENERAL CONTRACTOR IS REMOVING CEILING TILE AND GRID IN AREAS OF PIPE REPLACEMENT. RELOCATE AND REINSTALL EXISTING CEILING DIFFUSERS AND ALL GRILLES AS REQUIRED FOR WORK. SEE ARCHITECTURAL

ALL SPRINKLER MAINS BEING REMOVED SHALL BE REPLACED WITH THE SAME SIZE PIPE. SEE NEW PLANS

PHASING NOTES

CONTRACTOR SHALL REPLACE SPRINKLER PIPING IN ALL AREAS DURING WEEKEND OR OVERTIME HOURS.

WORK SPACES SHALL BE LEFT CLEAN AND USABLE BY THE END OF EACH SHIFT TO ALLOW STAFF USE OF AREAS DURING NORMAL BUSINESS HOURS. WORK IN

MECHANICAL SPACES MAY BE COMPLETED DURING

COMPLETE WORK ON ONE SPRINKLER ZONE AT A TIME ON EACH FLOOR. THE SYSTEM SHALL BE FILLED BY THE END OF EACH SHIFT IN ORDER TO MAINTAIN AN OPERATIONAL SYSTEM. AT THE CONTRACTOR'S OPTION, FIRE WATCH SHALL BE MAINTAINED BY THE CONTRACTOR FOR NON-OPERATIONAL ZONES FOR SHORT PERIODS OF TIME IN ORDER TO EXPEDITE

REFER TO INDIVIDUAL PLAN NOTES FOR PHASING OF

DRAWINGS FOR CEILING WORK.

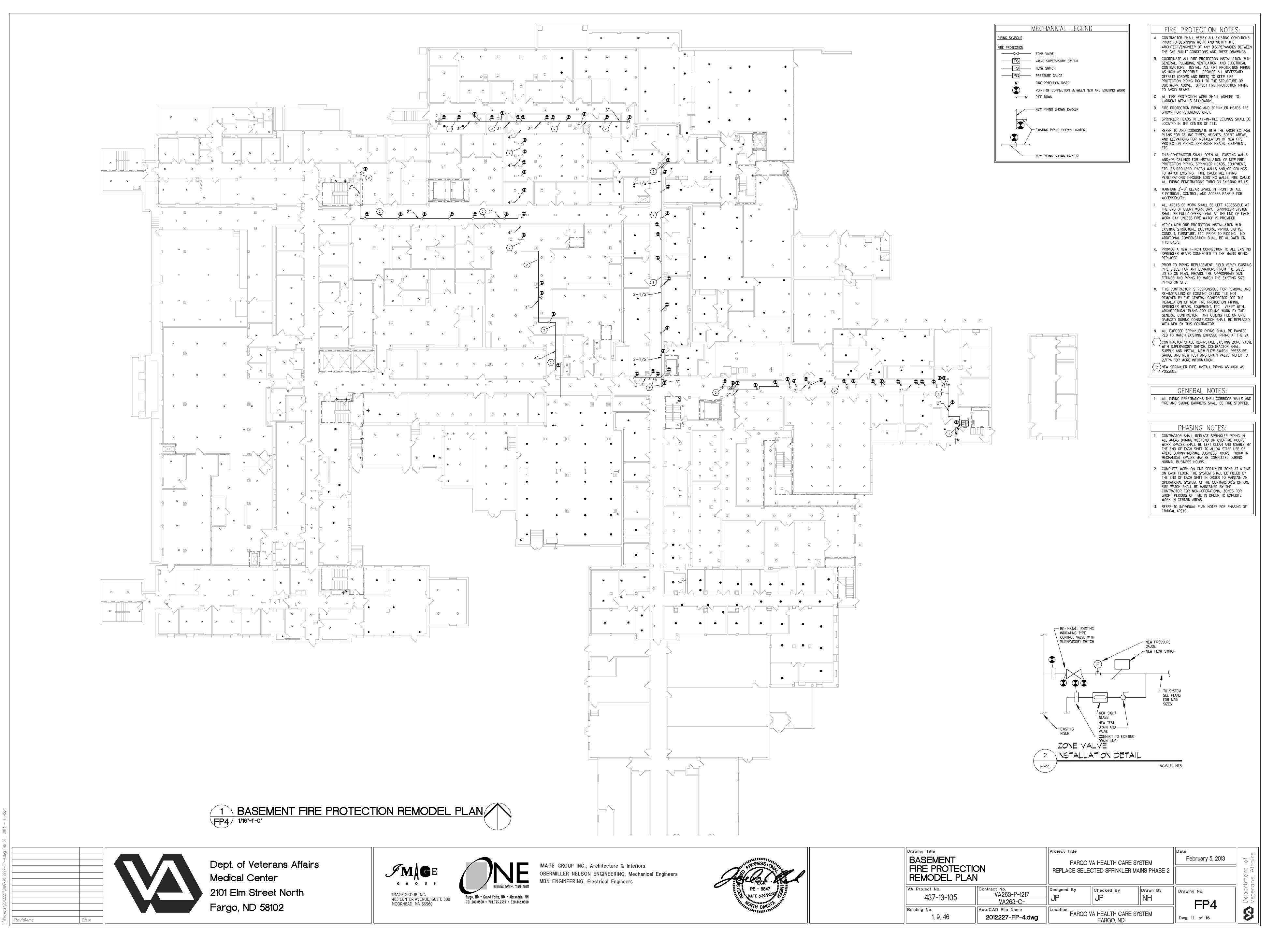
NORMAL BUSINESS HOURS.

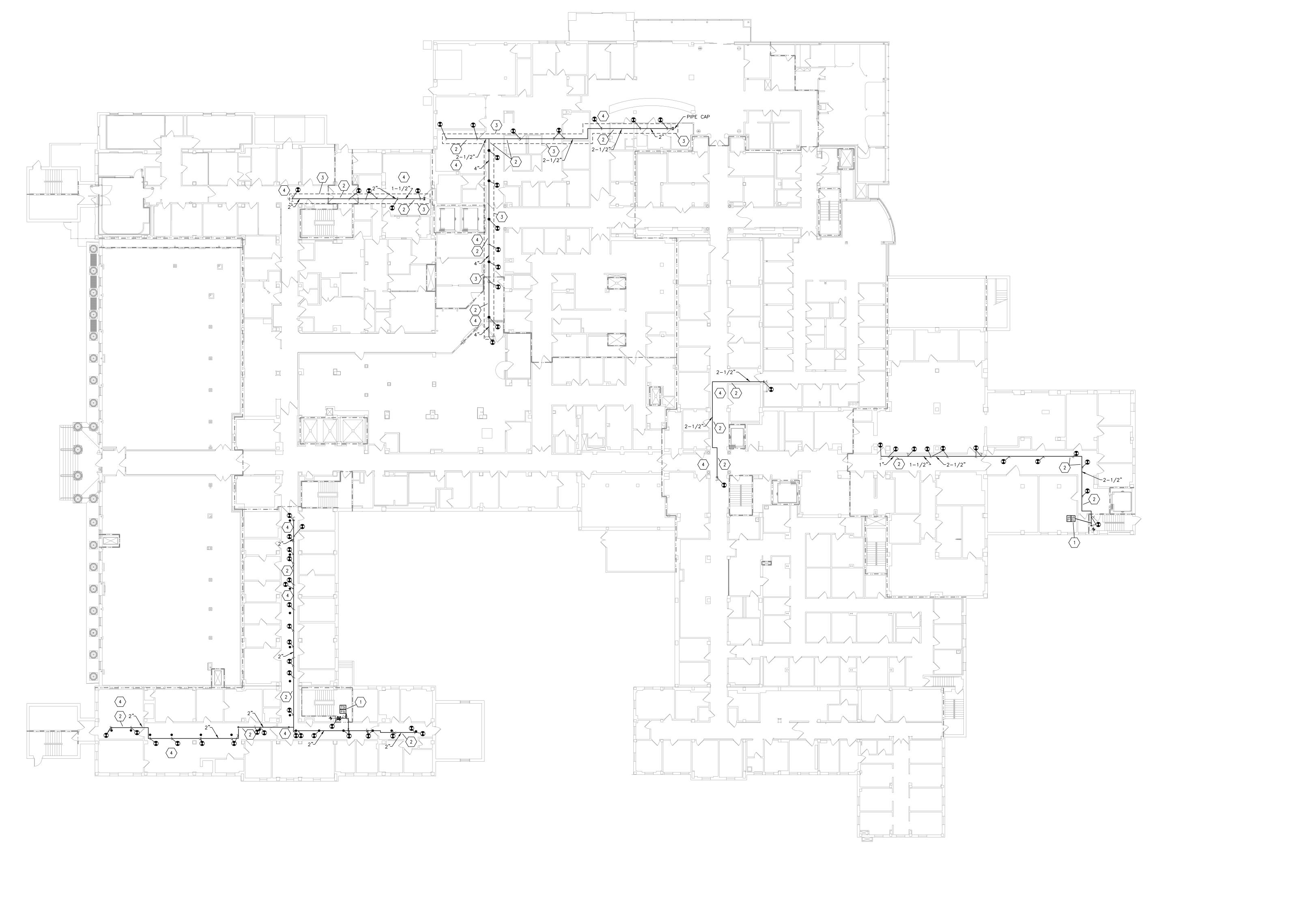
WORK IN CERTAIN AREAS.

CRITICAL AREAS.

FOR MAIN SIZES.

VALVE & SUPERVISORY SWITCH SHALL BE SAVED FOR RE-INSTALLATION





FIRE PROTECTION NOTES: CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING WORK AND NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES BETWEEN THE "AS-BUILT" CONDITIONS AND THESE DRAWINGS. B. COORDINATE ALL FIRE PROTECTION INSTALLATION WITH GENERAL, PLUMBING, VENTILATION, AND ELECTRICAL CONTRACTORS. INSTALL ALL FIRE PROTECTION PIPING AS HIGH AS POSSIBLE. PROVIDE ALL NECESSARY OFFSETS (DROPS AND RISES) TO KEEP FIRE PROTECTION PIPING TIGHT TO THE STRUCTURE OR DUCTWORK ABOVE. OFFSET FIRE PROTECTION PIPING

TO AVOID BEAMS. ALL FIRE PROTECTION WORK SHALL ADHERE TO

CURRENT NFPA 13 STANDARDS. FIRE PROTECTION PIPING AND SPRINKLER HEADS ARE SHOWN FOR REFERENCE ONLY.

SPRINKLER HEADS IN LAY-IN-TILE CEILINGS SHALL BE LOCATED IN THE CENTER OF TILE. REFER TO AND COORDINATE WITH THE ARCHITECTURAL PLANS FOR CEILING TYPES, HEIGHTS, SOFFIT AREAS, AND ELEVATIONS FOR INSTALLATION OF NEW FIRE

THIS CONTRACTOR SHALL OPEN ALL EXISTING WALLS AND/OR CEILINGS FOR INSTALLATION OF NEW FIRE PROTECTION PIPING, SPRINKLER HEADS, EQUIPMENT, ETC. AS REQUIRED. PATCH WALLS AND/OR CEILINGS TO MATCH EXISTING. FIRE CAULK ALL PIPING PENETRATIONS THROUGH EXISTING WALLS. FIRE CAULK

PROTECTION PIPING, SPRINKLER HEADS, EQUIPMENT,

ALL PIPING PENETRATIONS THROUGH EXISTING WALLS. MAINTAIN 3'-0" CLEAR SPACE IN FRONT OF ALL ELECTRICAL, CONTROL, AND ACCESS PANELS FOR

ACCESSIBILITY. ALL AREAS OF WORK SHALL BE LEFT ACCESSIBLE AT THE END OF EVERY WORK DAY. SPRINKLER SYSTEM

SHALL BE FULLY OPERATIONAL AT THE END OF EACH WORK DAY UNLESS FIRE WATCH IS PROVIDED. VERIFY NEW FIRE PROTECTION INSTALLATION WITH EXISTING STRUCTURE, DUCTWORK, PIPING, LIGHTS, CONDUIT, FURNITURE, ETC. PRIOR TO BIDDING. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED ON

THIS BASIS.

PROVIDE A NEW 1-INCH CONNECTION TO ALL EXISTING SPRINKLER HEADS CONNECTED TO THE MAINS BEING

REPLACED. PRIOR TO PIPING REPLACEMENT, FIELD VERIFY EXISTING PIPE SIZES. FOR ANY DEVIATIONS FROM THE SIZES LISTED ON PLAN, PROVIDE THE APPROPRIATE SIZE

PIPING ON SITE. M. THIS CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND RE-INSTALLING OF EXISTING CEILING TILE NOT REMOVED BY THE GENERAL CONTRACTOR FOR THE INSTALLATION OF NEW FIRE PROTECTION PIPING, SPRINKLER HEADS, EQUIPMENT, ETC. VERIFY WITH ARCHITECTURAL PLANS FOR CEILING WORK BY THE

FITTINGS AND PIPING TO MATCH THE EXISTING SIZE

GENERAL CONTRACTOR. ANY CEILING TILE OR GRID DAMAGED DURING CONSTRUCTION SHALL BE REPLACED WITH NEW BY THIS CONTRACTOR. N. ALL EXPOSED SPRINKLER PIPING SHALL BE PAINTED RED TO MATCH EXISTING EXPOSED PIPING AT THE VA.

CONTRACTOR SHALL RE-INSTALL EXISTING ZONE VALVE → WITH SUPERVISORY SWITCH. CONTRACTOR SHALL SUPPLY AND INSTALL NEW FLOW SWITCH, PRESSURE GAUGE AND NEW TEST AND DRAIN VALVE. REFER TO 2/FP4 FOR MORE INFORMATION.

2 NEW SPRINKLER PIPE. INSTALL PIPING AS HIGH AS 3 WORK IN OUTLINED AREA REMOVED UNDER DEDUCT ALTERNATE NO. 1.

4 COORDINATE SCHEDULING OF WORK IN THIS AREA WITH PROJECT ENGINEER. DEMOLITION AND REPLACEMENT
SHALL BE DONE DURING WEEKEND AND OVERTIME HOURS. EXISTING FURNISHINGS AND EQUIPMENT SHALL NOT BE MOVED. CONTRACTOR MUST COVER, PROTECT AND WORK AROUND THESE ITEMS. AFFECTED AREAS SHALL BE LEFT CLEAN AND USABLE AT THE END OF EACH SHIFT TO ALLOW USE DURING NORMAL BUSINESS

GENERAL NOTES ALL PIPING PENETRATIONS THRU CORRIDOR WALLS AND FIRE AND SMOKE BARRIERS SHALL BE FIRE STOPPED.

PHASING NOTES CONTRACTOR SHALL REPLACE SPRINKLER PIPING IN ALL AREAS DURING WEEKEND OR OVERTIME HOURS. WORK SPACES SHALL BE LEFT CLEAN AND USABLE BY THE END OF EACH SHIFT TO ALLOW STAFF USE OF AREAS DURING NORMAL BUSINESS HOURS. WORK IN MECHANICAL SPACES MAY BE COMPLETED DURING NORMAL BUSINESS HOURS.

COMPLETE WORK ON ONE SPRINKLER ZONE AT A TIME ON EACH FLOOR. THE SYSTEM SHALL BE FILLED BY THE END OF EACH SHIFT IN ORDER TO MAINTAIN AN OPERATIONAL SYSTEM. AT THE CONTRACTOR'S OPTION, FIRE WATCH SHALL BE MAINTAINED BY THE CONTRACTOR FOR NON-OPERATIONAL ZONES FOR SHORT PERIODS OF TIME IN ORDER TO EXPEDITE WORK IN CERTAIN AREAS.

REFER TO INDIVIDUAL PLAN NOTES FOR PHASING OF

1 FIRST FLOOR FIRE PROTECTION REMODEL PLAN FP5 1/16"-1'-0"



Dept. of Veterans Affairs Medical Center 2101 Elm Street North Fargo, ND 58102







Drawing Title		Project Title	Project Title		
FIRST FLOOR FIRE PROTECTION REMODEL PLAN			FARGO VA HEALTH CARE SYSTEM REPLACE SELECTED SPRINKLER MAINS PHASE 2		
VA Project No. 437–13–105	Contract No. VA263-P-1217	Designed By	Checked By	Drawn By	

VA263-C-

2012227-FP-5.dwg

AutoCAD File Name

437-13-105

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Drawing No.

FARGO VA HEALTH CARE SYSTEM FARGO, ND



PROTECTION PIPING, SPRINKLER HEADS, EQUIPMENT, THIS CONTRACTOR SHALL OPEN ALL EXISTING WALLS AND/OR CEILINGS FOR INSTALLATION OF NEW FIRE PROTECTION PIPING, SPRINKLER HEADS, EQUIPMENT, ETC. AS REQUIRED. PATCH WALLS AND/OR CEILINGS TO MATCH EXISTING. FIRE CAULK ALL PIPING PENETRATIONS THROUGH EXISTING WALLS. FIRE CAULK ALL PIPING PENETRATIONS THROUGH EXISTING WALLS. MAINTAIN 3'-0" CLEAR SPACE IN FRONT OF ALL ELECTRICAL, CONTROL, AND ACCESS PANELS FOR ACCESSIBILITY. ALL AREAS OF WORK SHALL BE LEFT ACCESSIBLE AT THE END OF EVERY WORK DAY. SPRINKLER SYSTEM SHALL BE FULLY OPERATIONAL AT THE END OF EACH WORK DAY UNLESS FIRE WATCH IS PROVIDED. VERIFY NEW FIRE PROTECTION INSTALLATION WITH EXISTING STRUCTURE, DUCTWORK, PIPING, LIGHTS, CONDUIT, FURNITURE, ETC. PRIOR TO BIDDING. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED ON THIS BASIS. PROVIDE A NEW 1-INCH CONNECTION TO ALL EXISTING SPRINKLER HEADS CONNECTED TO THE MAINS BEING REPLACED. PRIOR TO PIPING REPLACEMENT, FIELD VERIFY EXISTING PIPE SIZES. FOR ANY DEVIATIONS FROM THE SIZES LISTED ON PLAN, PROVIDE THE APPROPRIATE SIZE FITTINGS AND PIPING TO MATCH THE EXISTING SIZE PIPING ON SITE. M. THIS CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND RE-INSTALLING OF EXISTING CEILING TILE NOT REMOVED BY THE GENERAL CONTRACTOR FOR THE INSTALLATION OF NEW FIRE PROTECTION PIPING, SPRINKLER HEADS, EQUIPMENT, ETC. VERIFY WITH ARCHITECTURAL PLANS FOR CEILING WORK BY THE GENERAL CONTRACTOR. ANY CEILING TILE OR GRID DAMAGED DURING CONSTRUCTION SHALL BE REPLACED WITH NEW BY THIS CONTRACTOR. N. ALL EXPOSED SPRINKLER PIPING SHALL BE PAINTED RED TO MATCH EXISTING EXPOSED PIPING AT THE VA. CONTRACTOR SHALL RE-INSTALL EXISTING ZONE VALVE WITH SUPERVISORY SWITCH. CONTRACTOR SHALL SUPPLY AND INSTALL NEW FLOW SWITCH, PRESSURE GAUGE AND NEW TEST AND DRAIN VALVE. REFER TO

> GENERAL NOTES ALL PIPING PENETRATIONS THRU CORRIDOR WALLS AND FIRE AND SMOKE BARRIERS SHALL BE FIRE STOPPED.

2 NEW SPRINKLER PIPE. INSTALL PIPING AS HIGH AS

3 COMBINE PARALLEL SPRINKLER PIPING INTO 1 PIPE (IF

FIRE PROTECTION NOTES:

ALL FIRE PROTECTION WORK SHALL ADHERE TO

FIRE PROTECTION PIPING AND SPRINKLER HEADS ARE

SPRINKLER HEADS IN LAY-IN-TILE CEILINGS SHALL BE LOCATED IN THE CENTER OF TILE.

REFER TO AND COORDINATE WITH THE ARCHITECTURAL PLANS FOR CEILING TYPES, HEIGHTS, SOFFIT AREAS, AND ELEVATIONS FOR INSTALLATION OF NEW FIRE

TO AVOID BEAMS.

CURRENT NFPA 13 STANDARDS.

SHOWN FOR REFERENCE ONLY.

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PHASING NOTES CONTRACTOR SHALL REPLACE SPRINKLER PIPING IN ALL AREAS DURING WEEKEND OR OVERTIME HOURS.

2/FP4 FOR MORE INFORMATION.

POSSIBLE) DURING REPLACEMENT.

WORK SPACES SHALL BE LEFT CLEAN AND USABLE BY THE END OF EACH SHIFT TO ALLOW STAFF USE OF AREAS DURING NORMAL BUSINESS HOURS. WORK IN MECHANICAL SPACES MAY BE COMPLETED DURING NORMAL BUSINESS HOURS.

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REFER TO INDIVIDUAL PLAN NOTES FOR PHASING OF CRITICAL AREAS.











FOURTH FLOOR FIRE PROTECTION REMODEL PLAN		FARGO VA HEALTH CARE SYSTEM REPLACE SELECTED SPRINKLER MAINS PHASE 2			Date
					February
A Project No.	Contract No.	Designed By	Checked By	Drawn By	Drawing No.
437-13-105	VA263-P-1217	IJP	JP	NH	

2012227-FP-6.dwg

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Location

FARGO VA HEALTH CARE SYSTEM FARGO, ND

February 5, 2013